



1/32

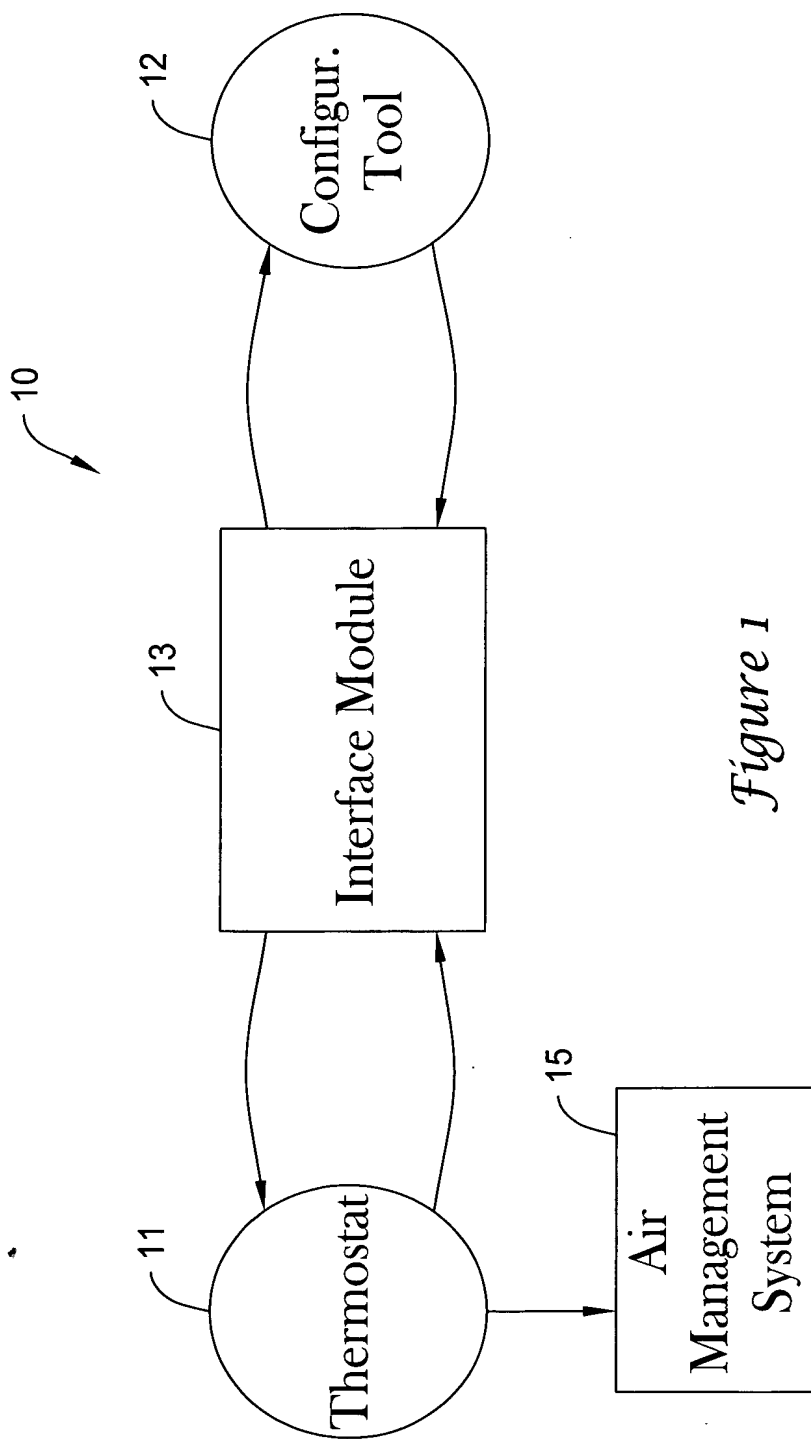


Figure 1

2/32

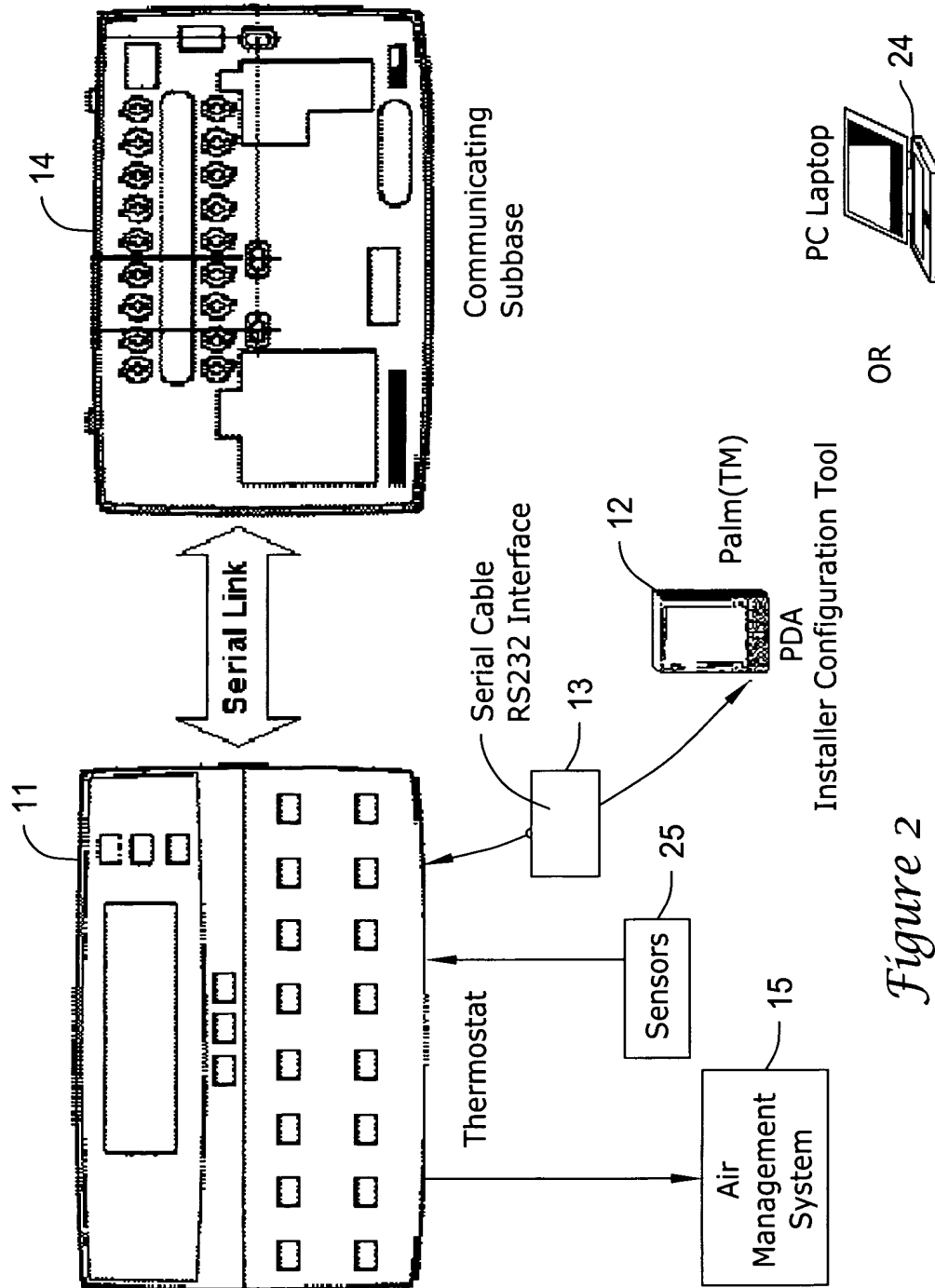


Figure 2

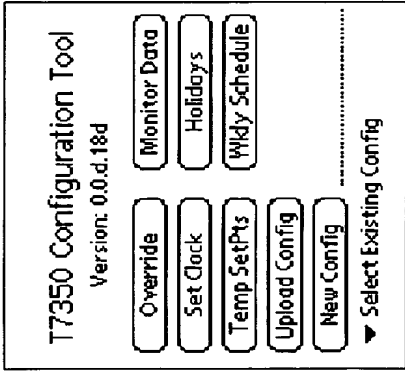


Figure 3A

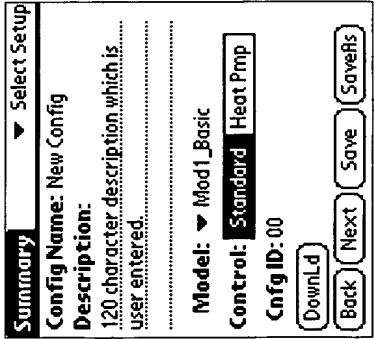


Figure 3B

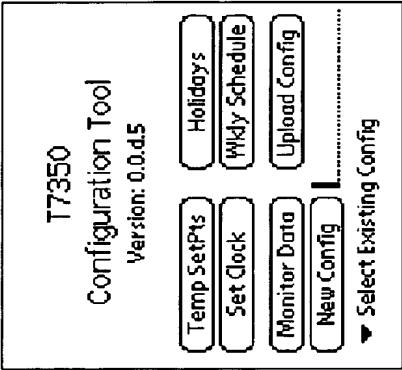


Figure 4A

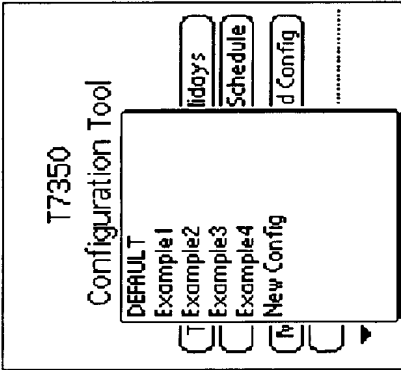


Figure 4B

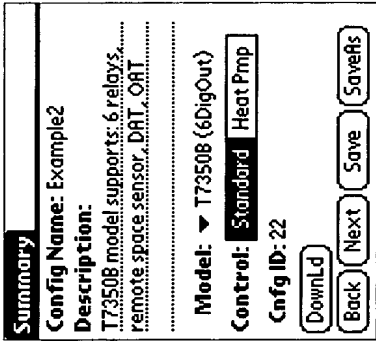


Figure 4C

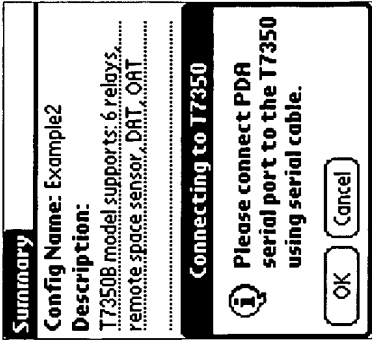


Figure 4D

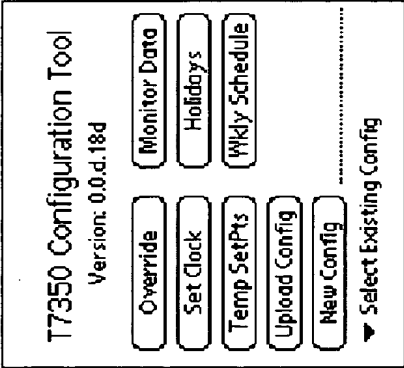


Figure 5A

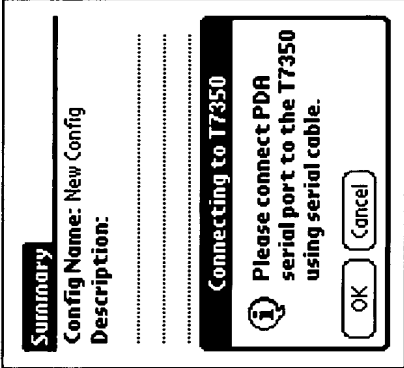


Figure 5C

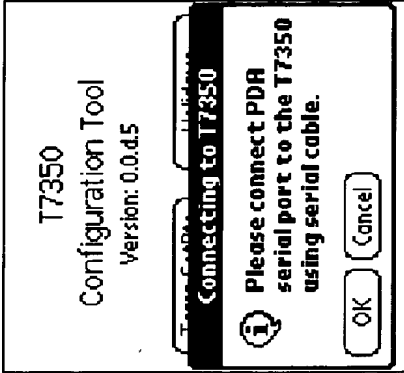


Figure 6B

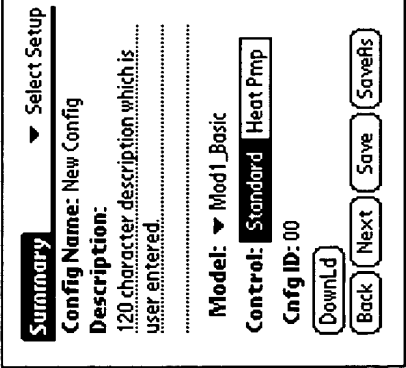


Figure 5B

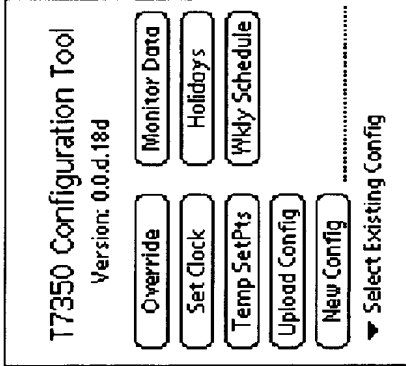


Figure 6A

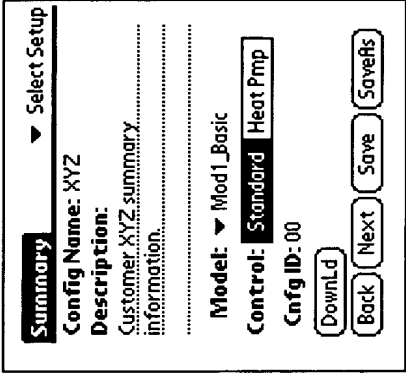


Figure 6C

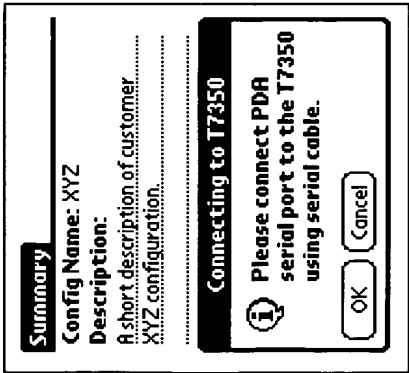


Figure 6D

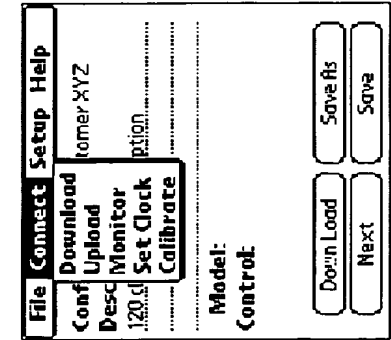


Figure 7A

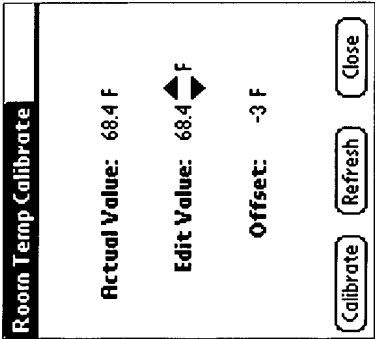


Figure 7B

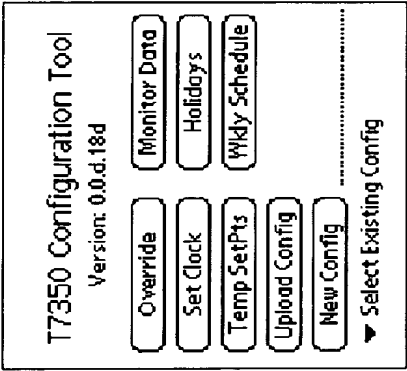


Figure 8A

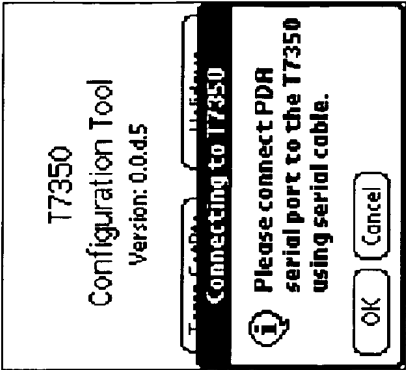


Figure 8B

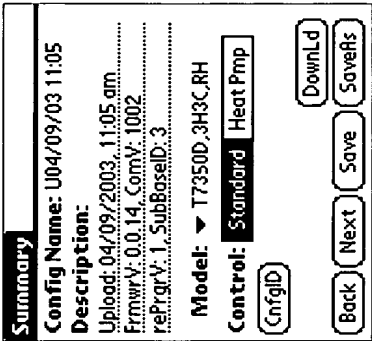


Figure 8C

T7350 Configuration Tool

Version: 0.0.d.18d

Override

Monitor Data

Set Clock

Holidays

Temp SetPts

Wkly Schedule

Upload Config

New Config

Select Existing Config

Figure 8D

Monitor Data

SubBasID: T7350D,3H3C,RH

FirmwareVersion: 0.0.19

Room Temperature: 79.2 F

EffectiveSetPoint: 75.0 F

RoomRH: 31 %

Dehumidification: Off

DischargeAir Temp: 70.3 F

Update

Close

Figure 8E

Summary

Config Name: Example3

Description:
T7350C SmartStat supports: 6
Relays, remote space sensor, DAT
OAT, RH, Occ sensor

Model: ▼ T7350C (6DigOut+RH)

Control: Standard Heat Pmp

Cnfg ID: 23

DownLd

Back

Next

Save

Saverfs

Figure 9A

Inputs

Room Temp: Local Remote Rmt+StPt

Room Rel Humidity: Local Remote

Occ Sensor: None Remote

Discharge Air Temp: None Remote

Outdoor Air Temp: None Remote

Back

Next

Figure 9B

Outputs

RunDO:
Time of Day
Economizer
Dehumid Hot Gas BP
Simple Dehumid

Back

Next

Figure 9C

Cooling Config

Stages: 0 1 2 3

Cooling Response: Std 3 cph Fast 4 cph

☒ Enable OAT Lockout

OAT SetPt 35 F

☒ Enable DAT Low Limit

DAT SetPt 45 F

Back

Next

Figure 9D

Heating Config

Stages: 0123

Heating Std 3cph Med 6cph

Response: Fast 9cph FastII20cph

☒ Enable ORT Lockout

ORT SetPt 70 F

☒ Enable DRT High Limit

DRT SetPt 110 F

Back

Next

Figure 9E

Fan

FanSwitch: On Auto

FanOperation: Conventional Electric Heat

Heat: No Extended Op Extend 90 sec

Cool: No Extended Op Extend 90 sec

Back

Next

Figure 9F

Weekly Schedule

Select New Schedule

Savefs

Delete

Modify

MON 08:00 am OCC

TUE 08:00 am OCC

--- 10:00 pm UNOCC

WED 08:00 am OCC

--- 10:00 pm UNOCC

THU 08:00 am OCC

Back

Next

Download

Figure 9G

Modify Schedule

Day: Monday

Event# -- Mode -- -- Time --

1 Occupied 08:00 am

2 Unoccupied 10:00 pm

3 None 12:00 am

4 None 12:00 am

CopyDayTo Sun Sat Hol

☐ M

☐ T

☐ W

☐ T

☐ F

OK

Figure 9H

SetPoints

Heating Cooling

Occupied 70 75 F

Standby 67 78 F

UnOcc 55 85 F

Occupied SetPt Stops 55 85 F

TempOverride: 3 Hrs

Back

Next

Download

Figure 9I

Summary

Config Name: ExampleModelID

Description: T7350D model supports: 6 Relays, remote space sensor, DRT, ORT, RH, Occ sensor

Model: T7350D.3H3C,RH

Control: Standard Heat Pmp

Back

Next

Save

Savefs

DownLd

Figure 9J

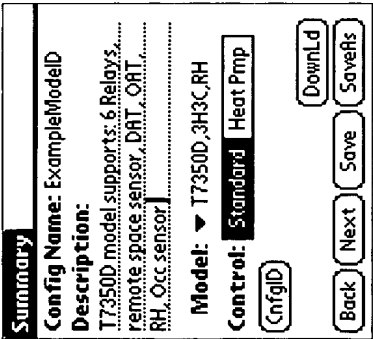


Figure 10A

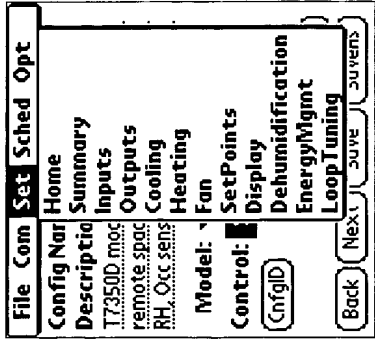


Figure 10B

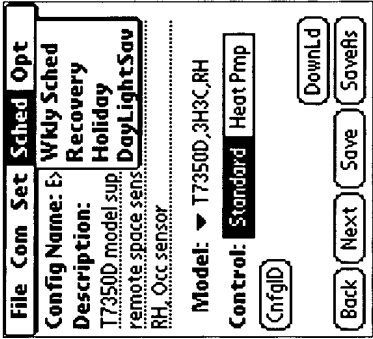


Figure 10C

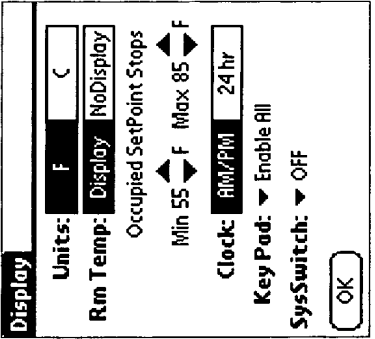


Figure 10D

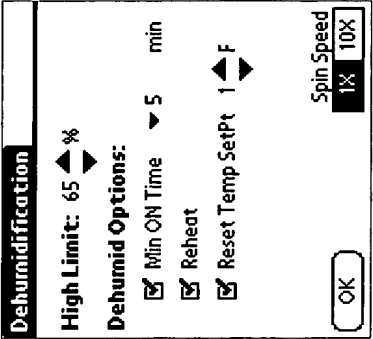


Figure 10E

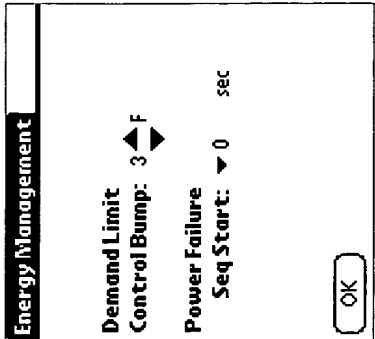



















Figure 10F

Loop Tuning 

Heating		Cooling	
TR	7   F	7   F	
IT	1650   sec	1650   sec	
DT	0   sec	0   sec	


Anticipator Authority: 4   F

















Apply To  

Spin Speed 1X 10X 100X

OK

Figure 10G

Recovery 

	Cool	Heat
ORT@Min:	90   F	0   F
Ramp Min:	3   F/hr	5   F/hr
ORT@Max:	70   F	40   F
Ramp Max:	6   F/hr	8   F/hr

LeadTime -Cool- -Heat-
MaxRange 1.8 to 3.5 2.0 to 3.1 hr








OK 



Figure 10H

Day Light Saving

Start Month:  Apr 

Start Day: FirstSun  

Stop Month:  Oct 

Stop Day: LastSun  



Spin Speed 1X 10X

OK

Figure 10I

Holiday

Select New Holiday Group

Saves  

New Years Day
Jan 1, Dur:1
Memorial Day
May LastMon, Dur:1
Independence Day
Jul 4, Dur:1
Labor Day






OK 



Figure 10J

Modify Holiday

New Years Day
New Years Day

Start Month:  Jan 

Start Day: 1  

Duration: 1   Day

Spin Speed 1X 10X

OK

Figure 10K

Modify Holiday

New Years Day
Memorial Day
Independence Day
Labor Day
Thanksgiving
Christmas
Hol 7
Hol 8
Hol 9
Hol 10

Spin Speed 1X 10X

OK

Figure 10L

10/32

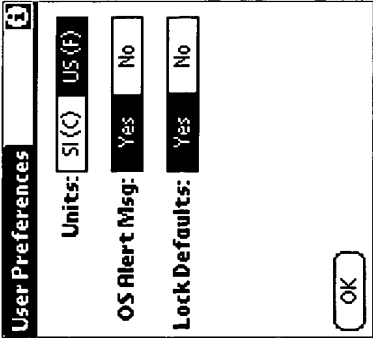


Figure 11A

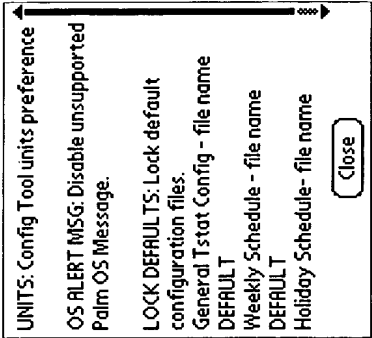


Figure 11B

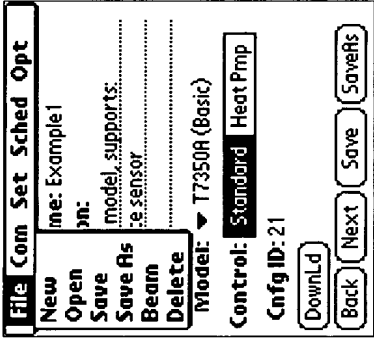


Figure 12A

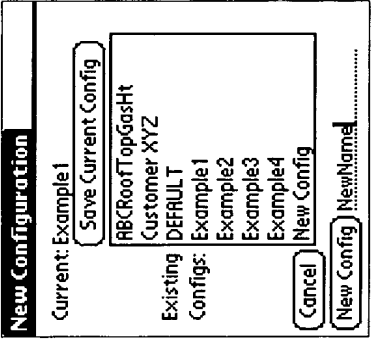


Figure 12B

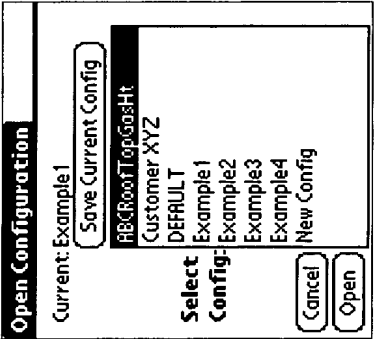


Figure 12C

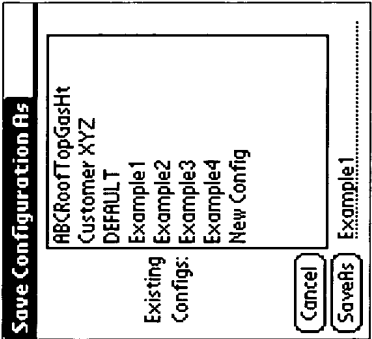


Figure 12D

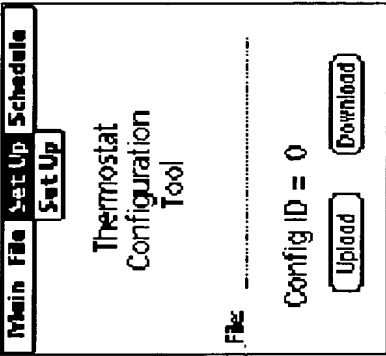


Figure 14C

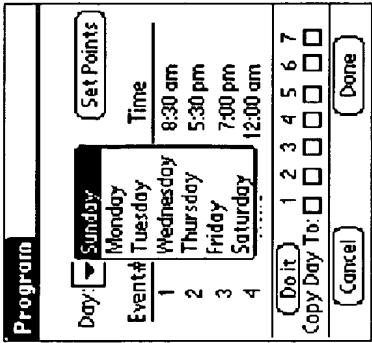


Figure 14D

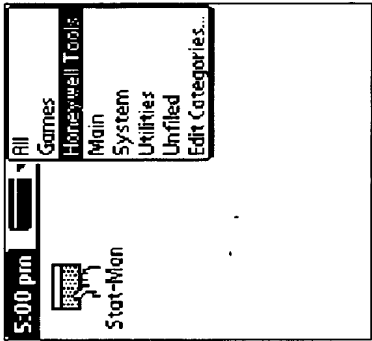


Figure 14A

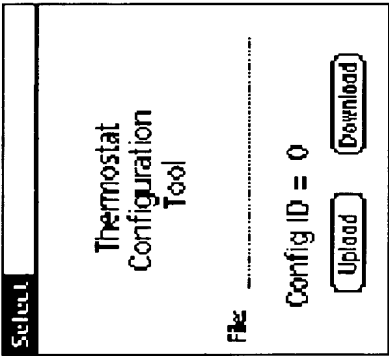


Figure 14B

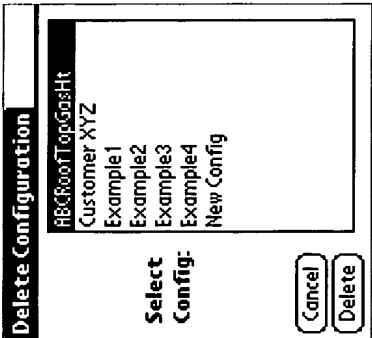


Figure 12E

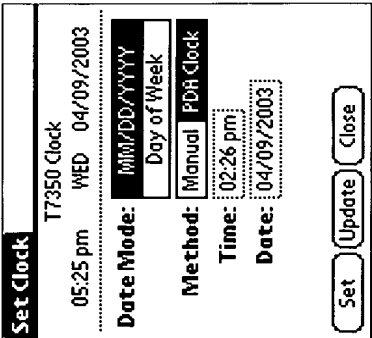


Figure 13

12/32

Installer Set Up

Temperature Units

Clock Format

Fan Behavior

Program from Keyboard

Figure 14I

Set Up 2

Heat Stages

Cool Stages

Energize Fan For

Sensor Location

Figure 14J

Program

Day:

Event# Mode Time

1 8:30 am

2 5:30 am

Select Event Time

8 :

Figure 14G

Set Points

Cooling Heating

Occupied 72 70

Standby 75 68

Unoccupied 80 60

Figure 14H

Program

Day:

Event# Mode Time

1 8:30 am

2 5:30 pm

3 7:00 pm

4 12:00 am

1 2 3 4 5 6 7

Copy Day To:

Figure 14E

Program

Day:

Event# Mode Time

1 3:30 am

2 5:30 pm

3 2:00 am

4 2:00 am

1 2 3 4 5 6 7

Copy Day To:

Figure 14F

13/32

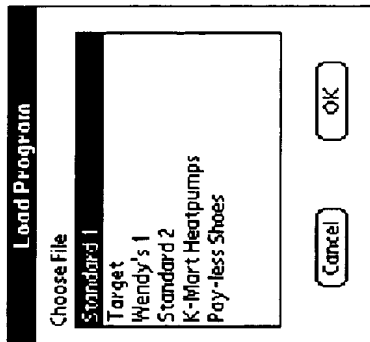


Figure 14K

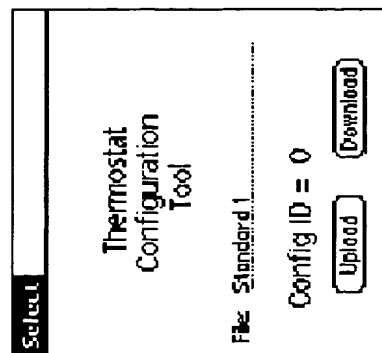


Figure 14L

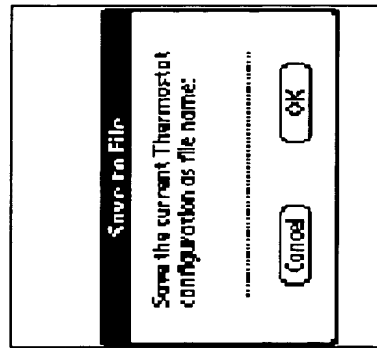


Figure 14M

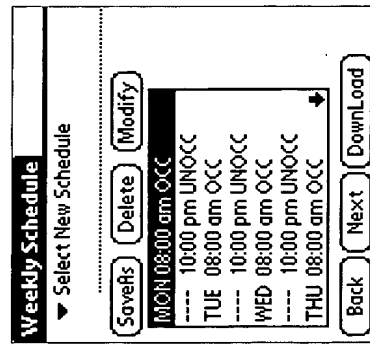


Figure 14N

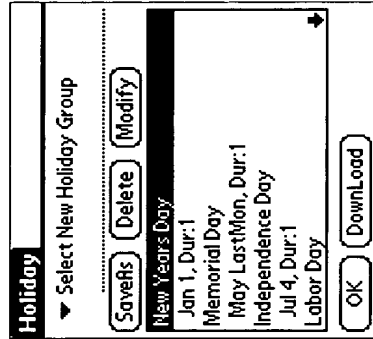


Figure 14O

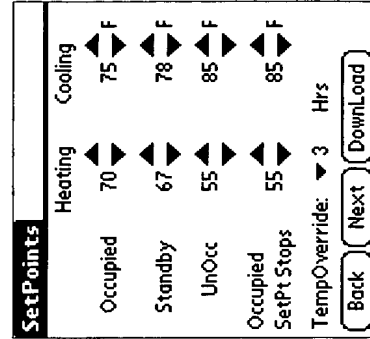


Figure 14P

14/32

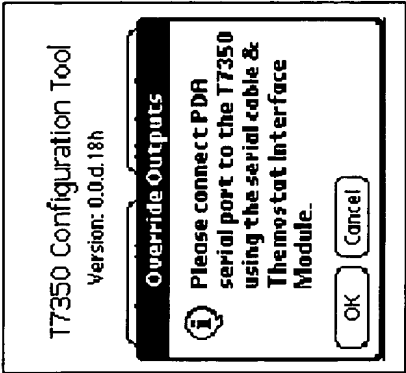


Figure 14U

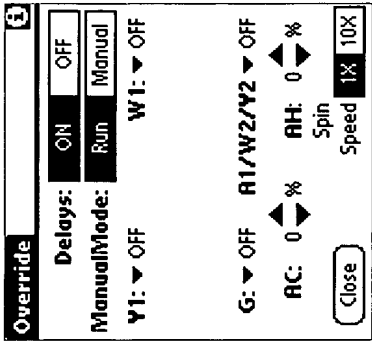


Figure 14V

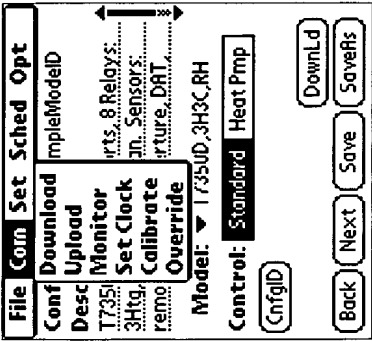


Figure 14S

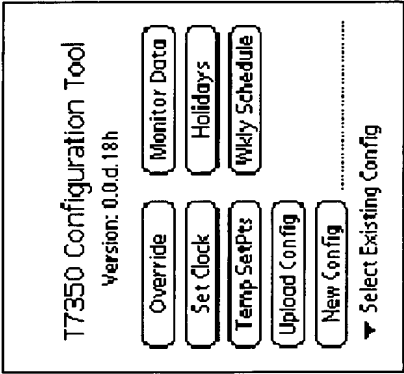


Figure 14T

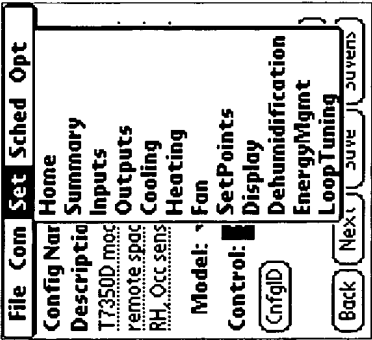


Figure 14Q

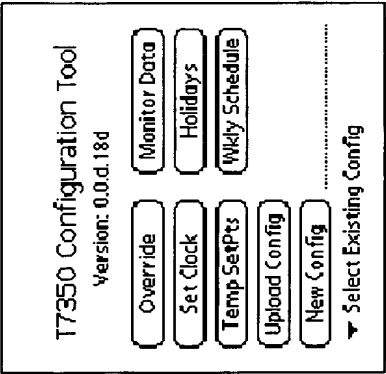


Figure 14R

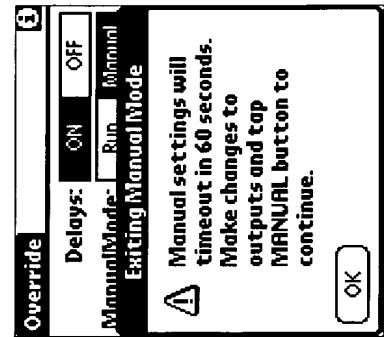


Figure 14Y

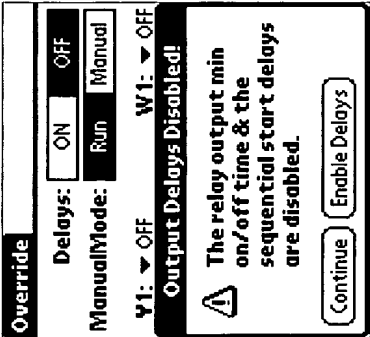


Figure 14Z

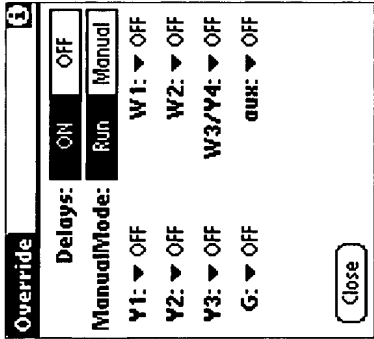


Figure 14W

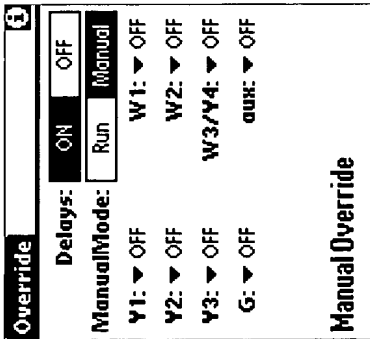


Figure 14X

16/32

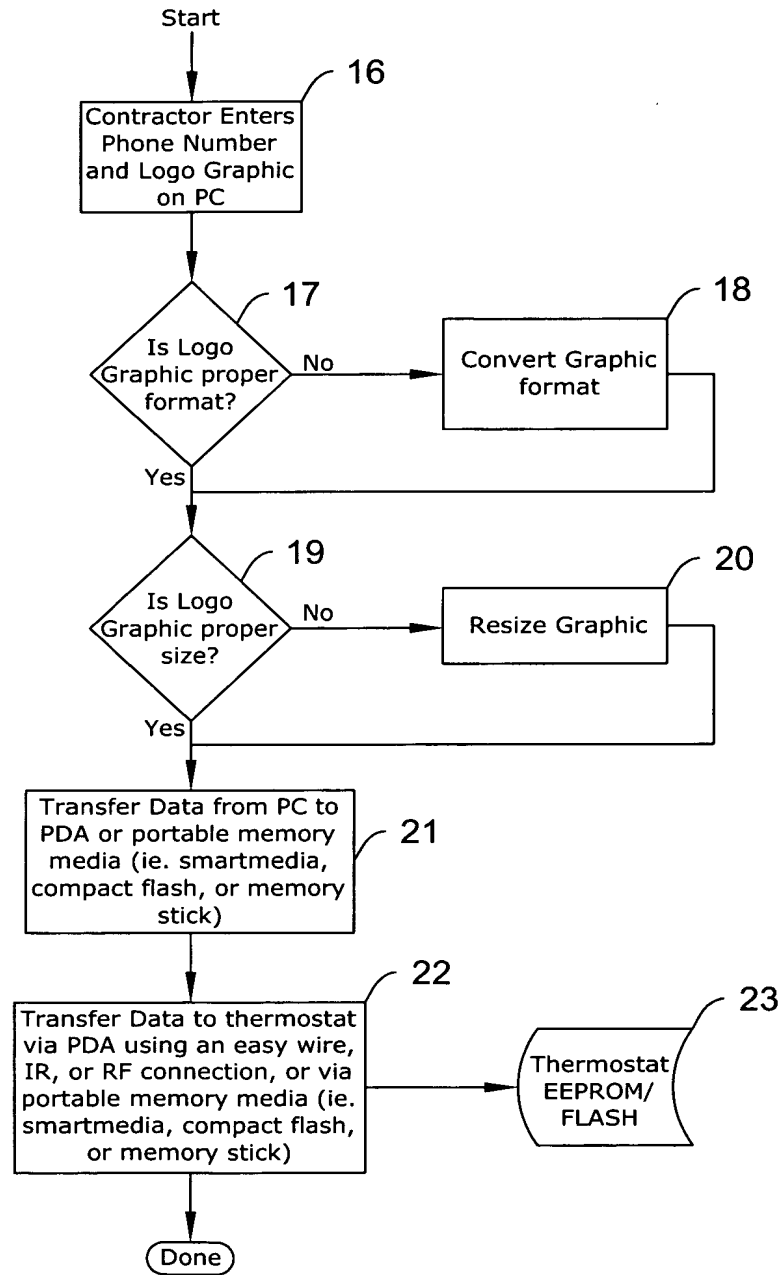


Figure 15

17/32

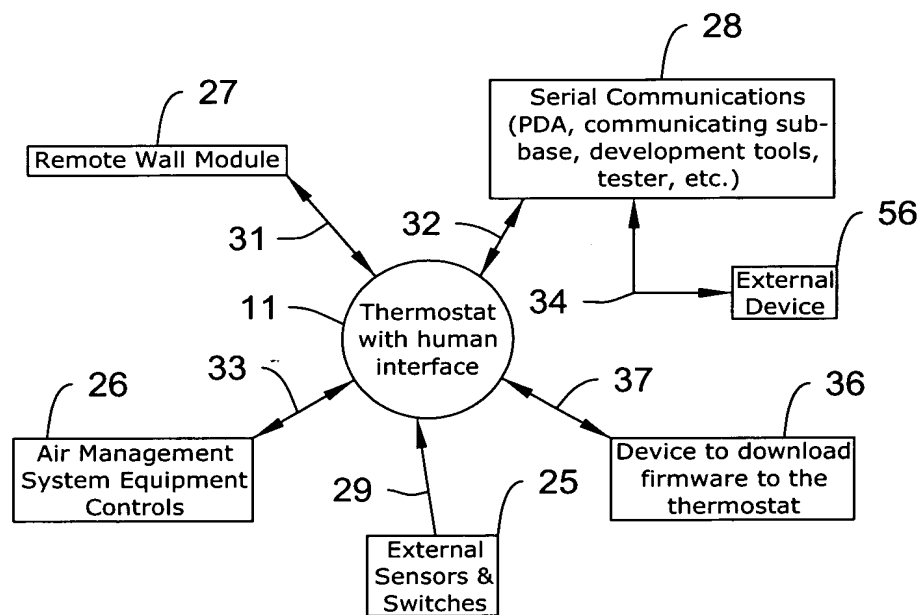


Figure 16

18/32

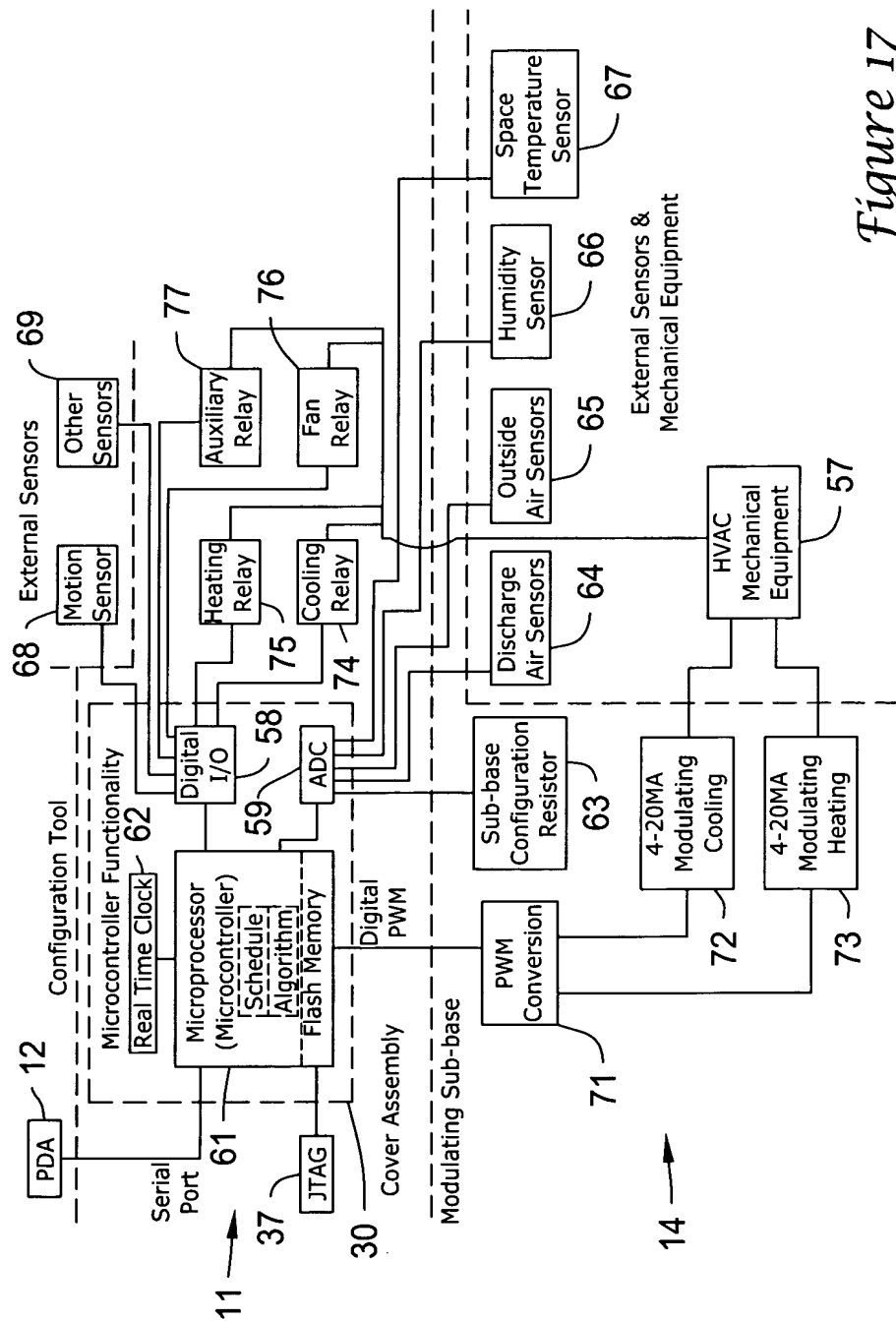


Figure 17

19/32

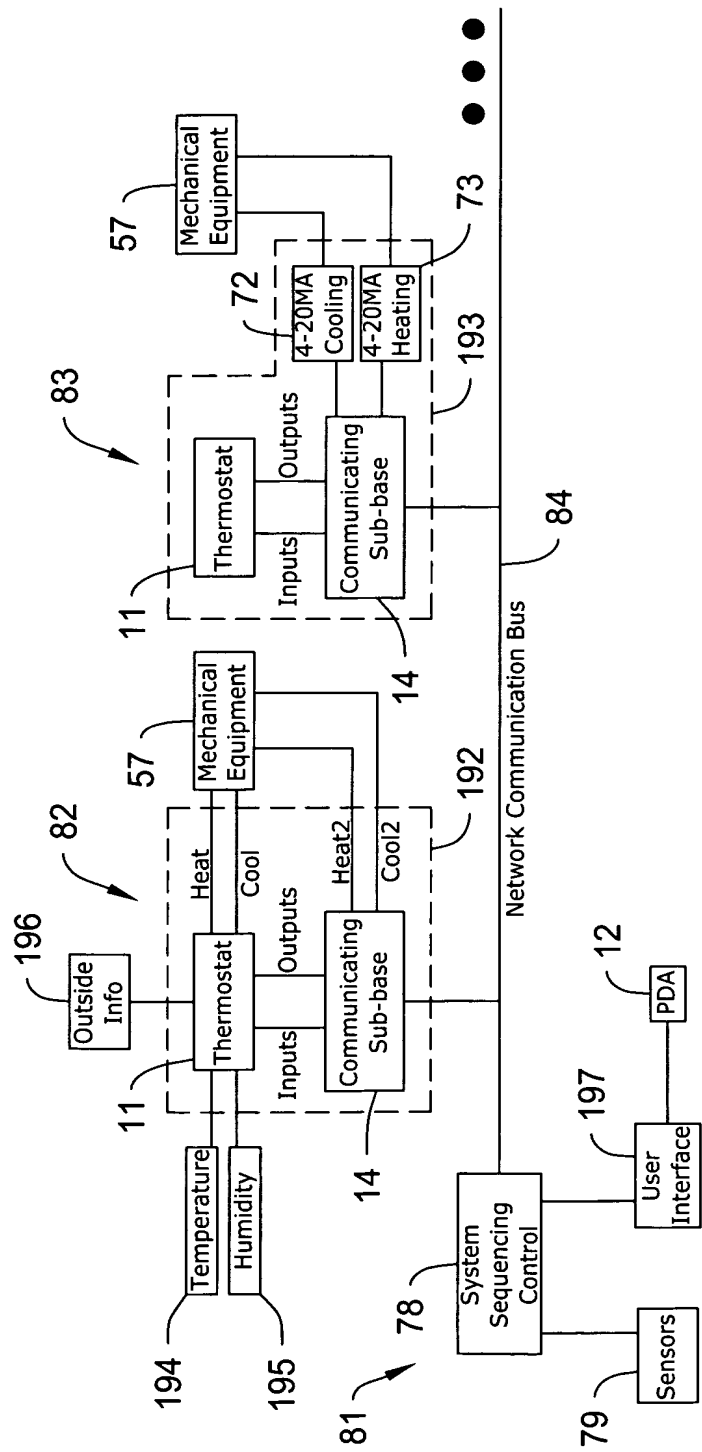


Figure 18

20/32

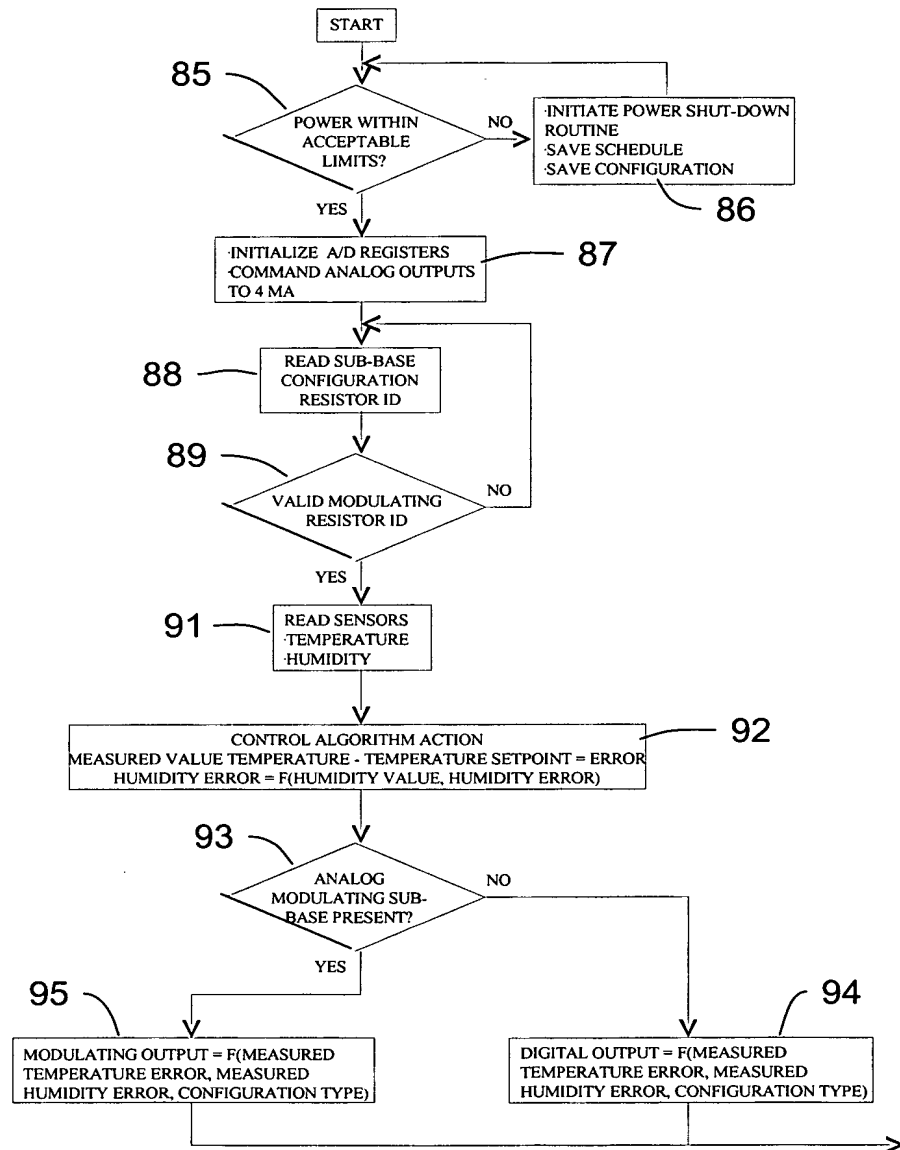


Figure 19

21/32

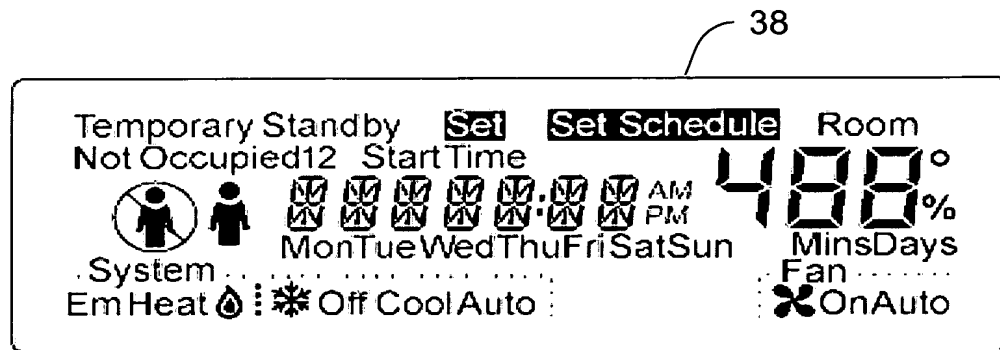


Figure 20A

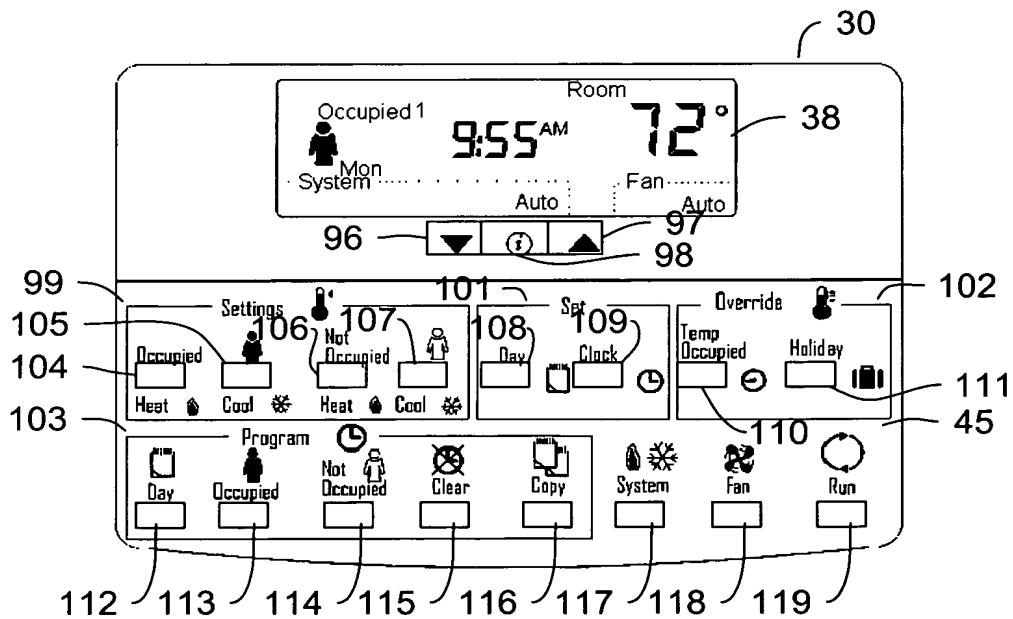


Figure 20B

22/32

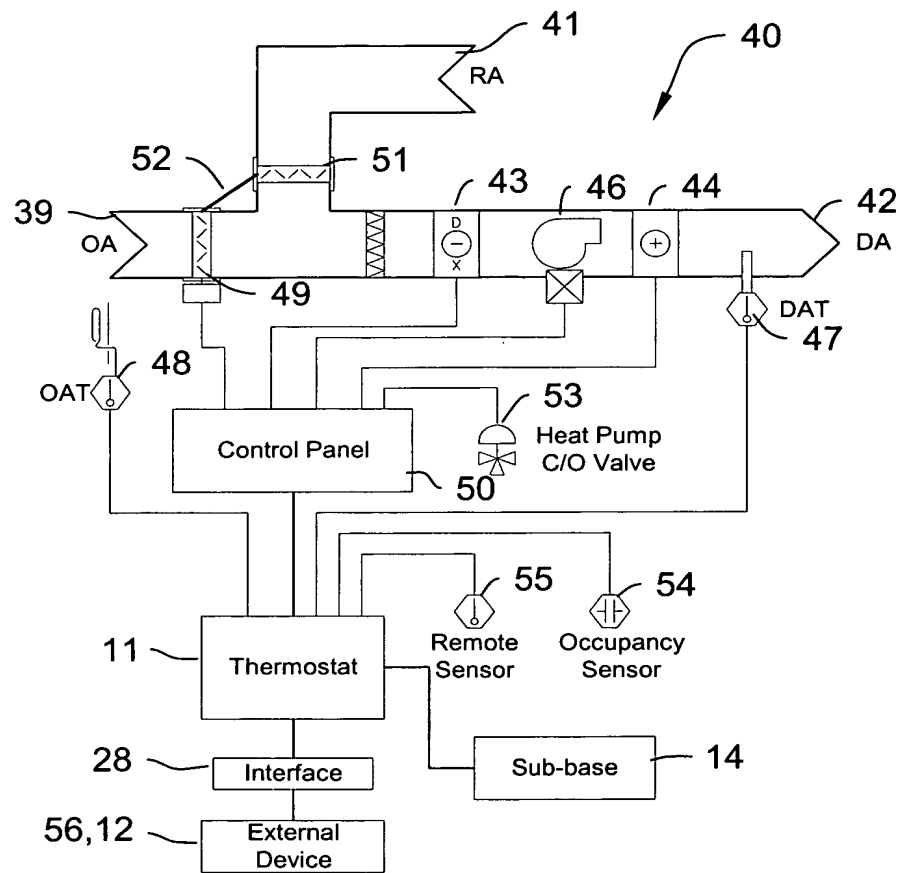


Figure 21

23/32

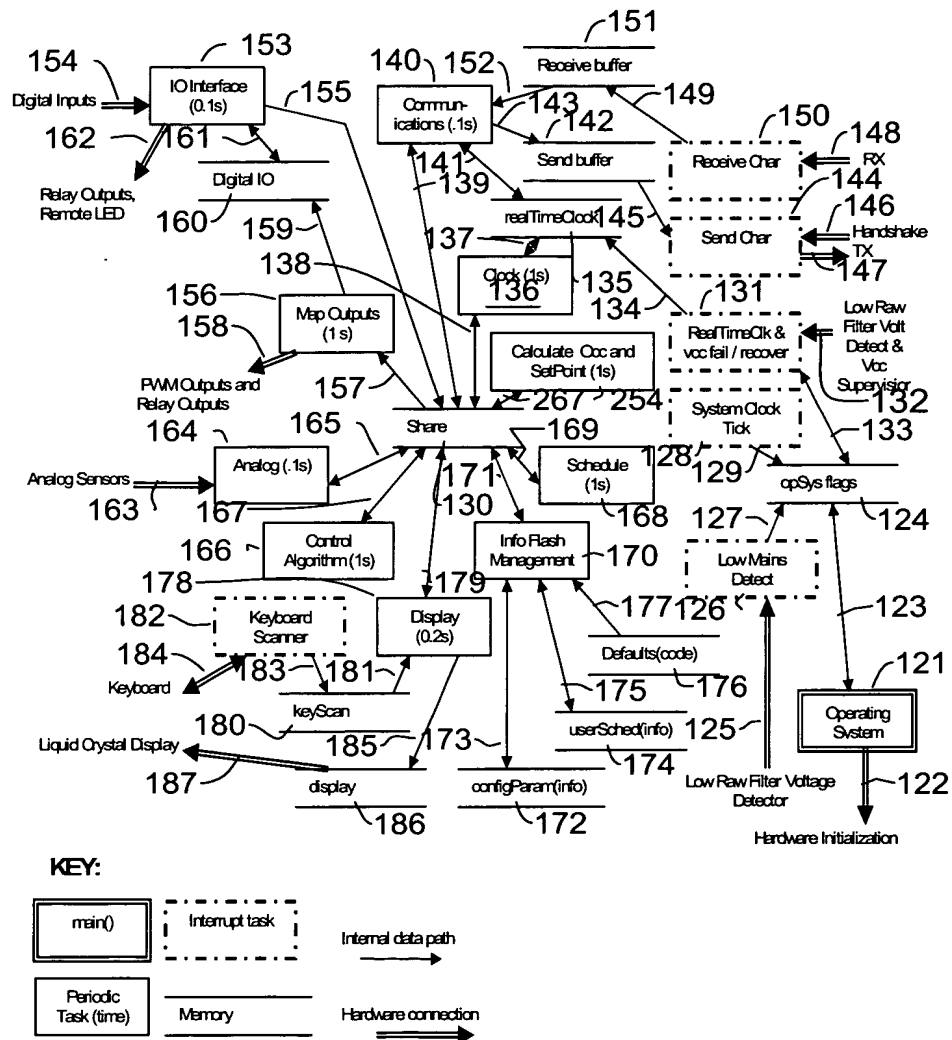


Figure 22

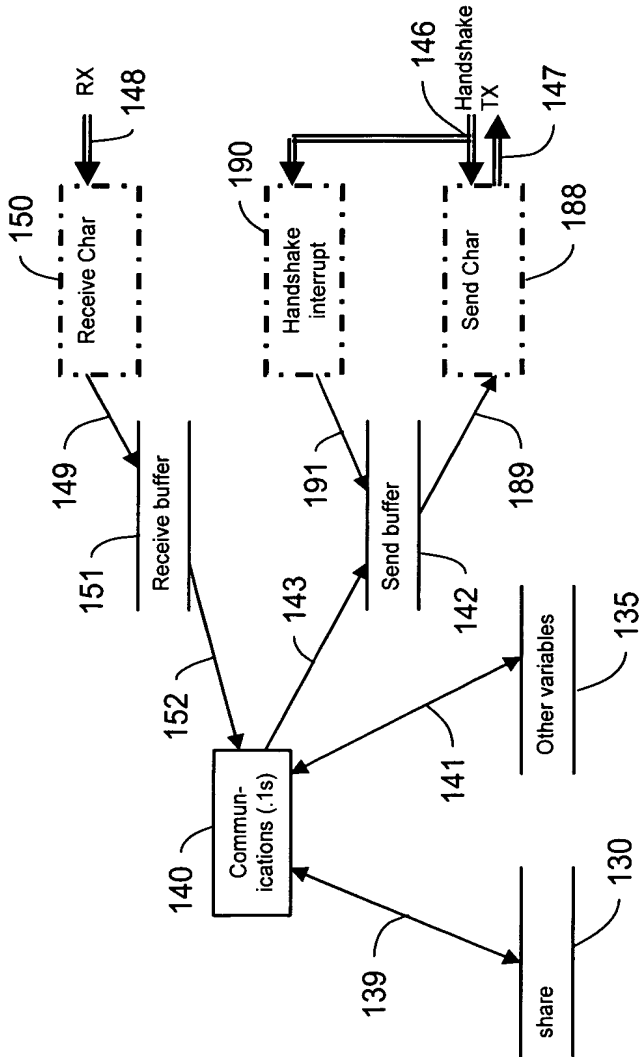


Figure 23

25/32

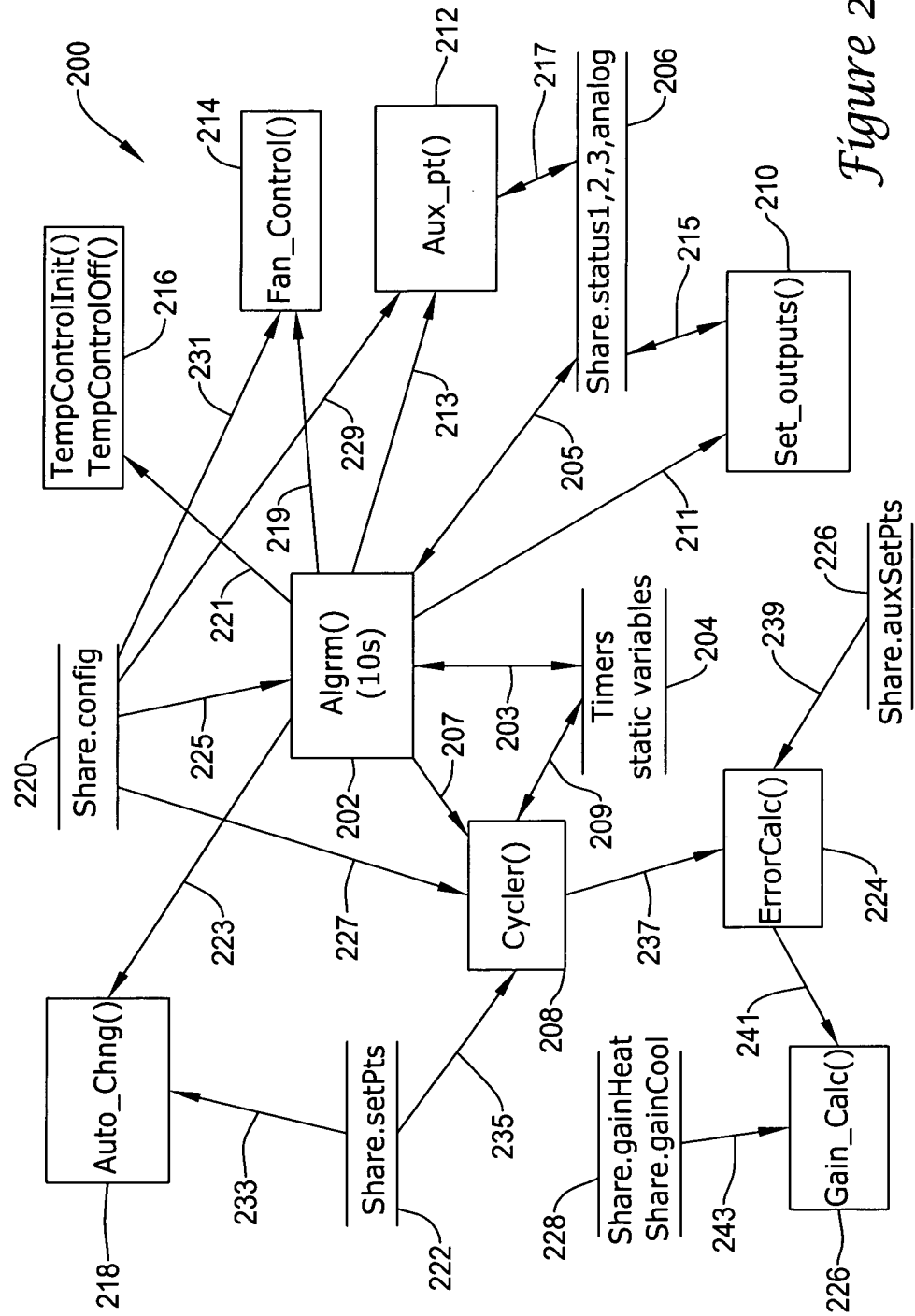


Figure 24

26/32

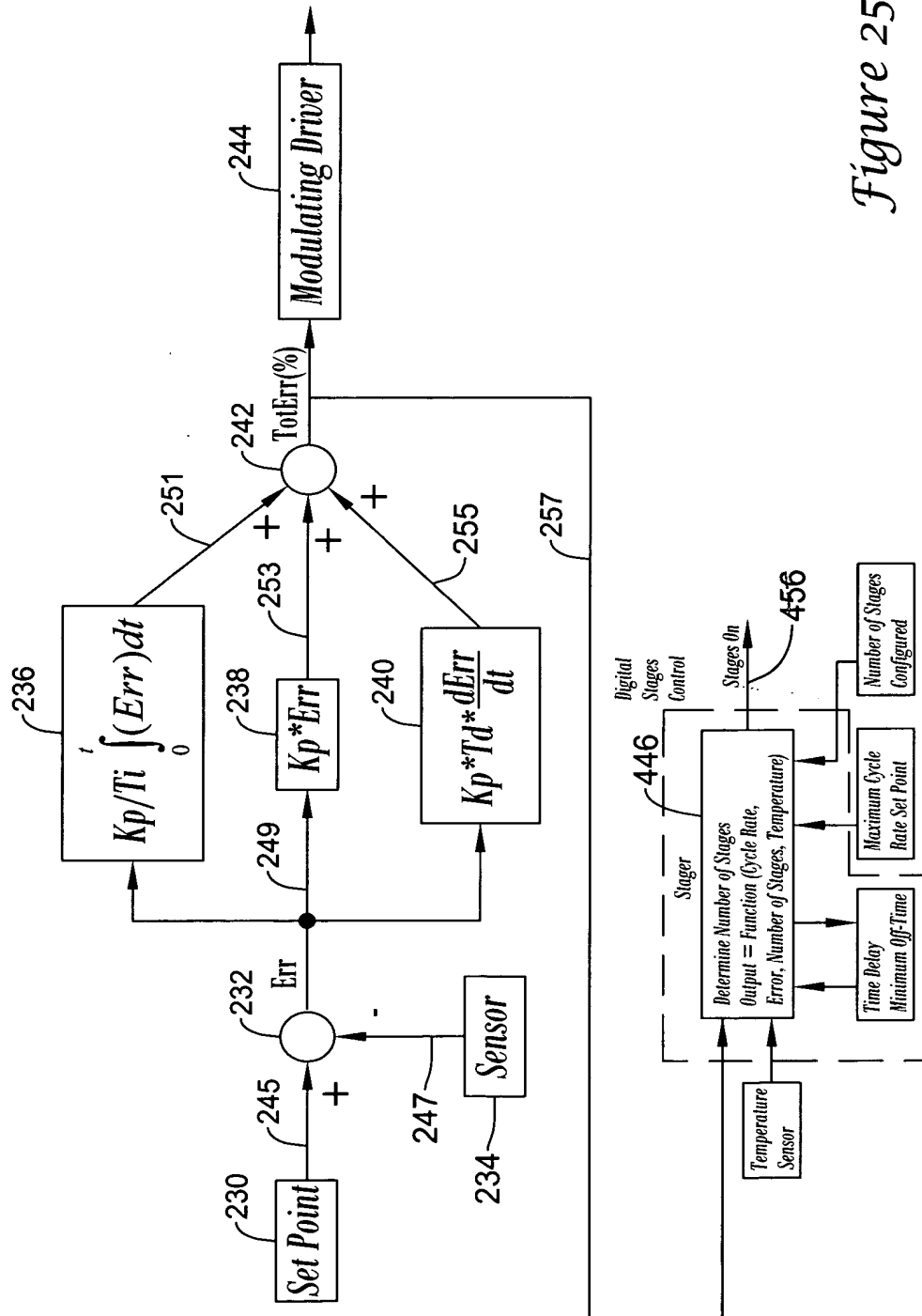


Figure 25

27/32

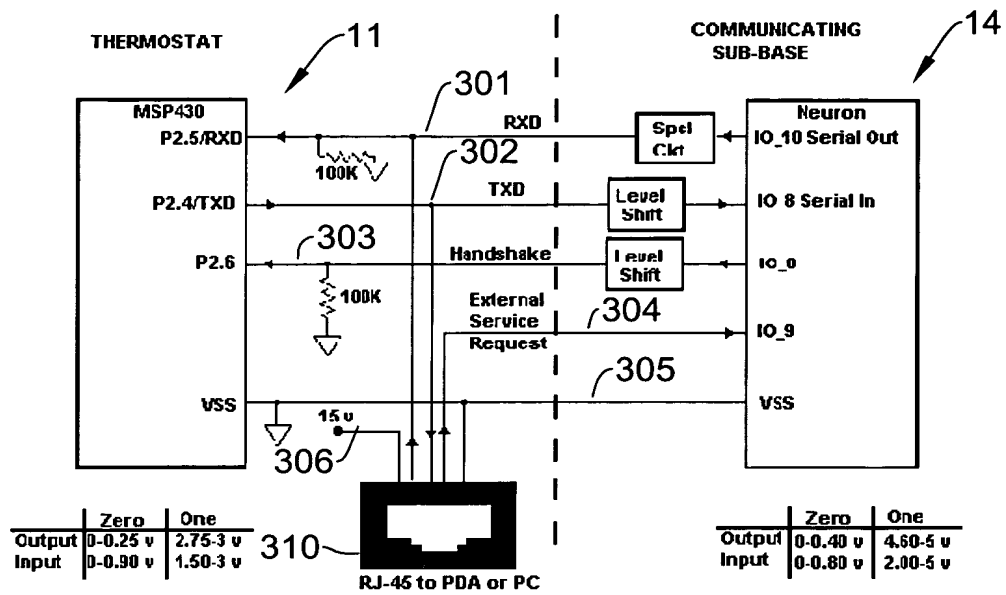


Figure 26

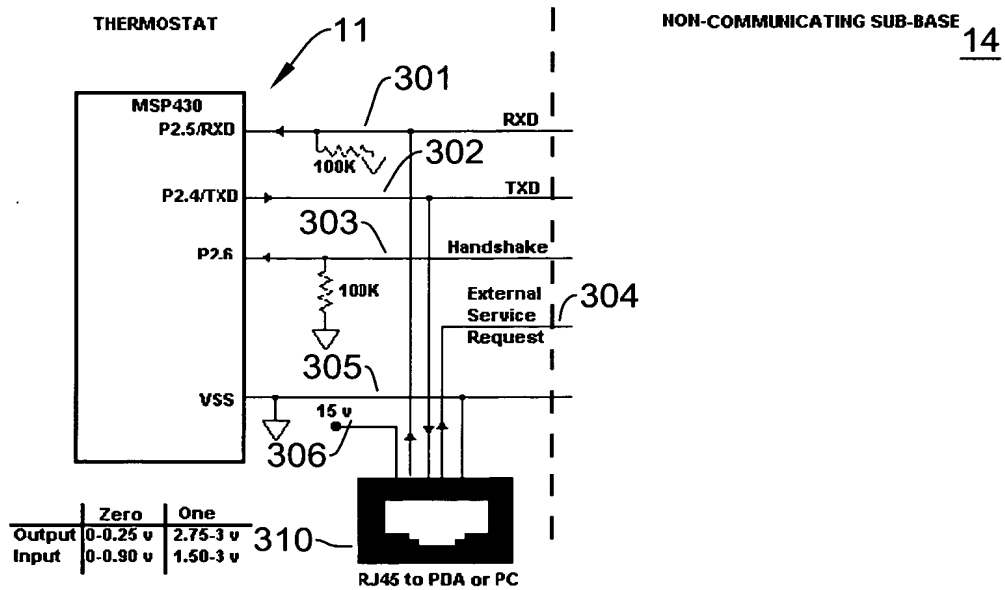


Figure 27

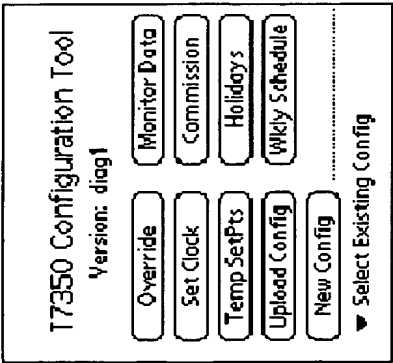


Figure 28A

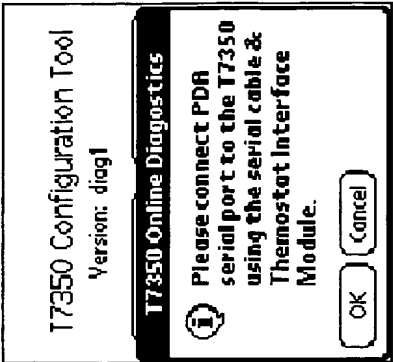


Figure 28B

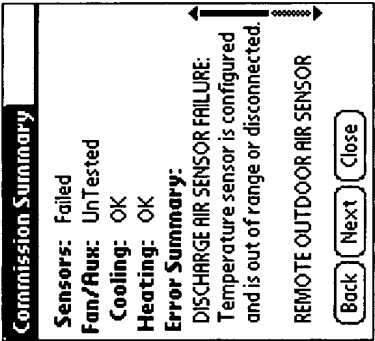


Figure 28C

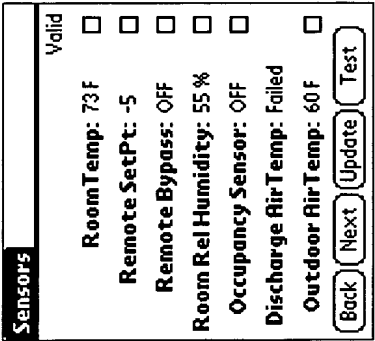


Figure 29A

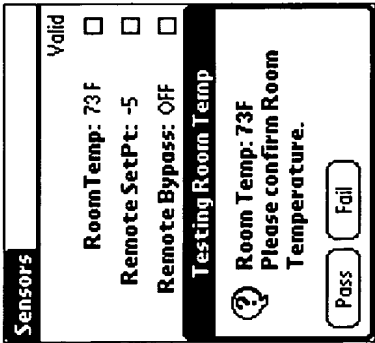


Figure 29B

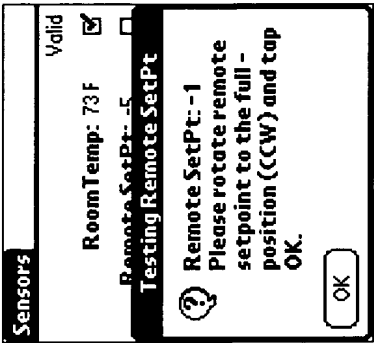


Figure 29C

Sensors

Valid

Room Temp: 73 F

Testing Remote SetPt

?

Full - setting validated.
Remote SetPt: -5
Please rotate remote
setpoint to the full +
position (CW) and tap
OK.

OK

Figure 29D

Sensors

Valid

Room Temp: 73 F

Remote SetPt: -5

Remote Bypass: OFF

Room Rel Humidity: 55 %

Occupancy Sensor: OFF

Discharge Air Temp: Failed

Outdoor Air Temp: 60 F

Back

Next

Update

Test

Figure 29F

Sensors

Valid

Room Temp: 73 F

Remote SetPt: -5

Testing Remote SetPt

i

Full + setting validated.
Remote SetPt: +5
Setpoint test sequence
completed.

OK

Figure 29E

Cooling Equipment

ManualMode: OFF

Fan Status: OFF

Clg Stage1 - Y1 : OFF

Clg Stage2 - Y2 : OFF

Clg Stage3 - Y3 : OFF

Valid

Back

Next

Update

Test

Figure 31A

Cooling Equipment

ManualMode: OFF

Fan Status: OFF

Clg Stage1 - Y1 : OFF

Valid

Testing Cooling Operation

?

Fan Status: OFF

Please confirm it is safe
to start the Fan.

Yes

No

Figure 31B

Cooling Equipment

ManualMode: OFF

Fan Status: OFF

Valid

Clg Stage1 - Y1 : OFF

☐

Testing Cooling Operation

?

Fan Status: ON

Please confirm Fan operation.

Pass

Fail

Figure 31C

Cooling Equipment

ManualMode: OFF

Fan Status: OFF

Valid

Clg Stage1 - Y1 : OFF

☐

Testing Cooling Stages

of Stages: 1

DischargeAirT: 78F

CoilDeltaT: 0F

Progress: II

Cancel

Figure 31E

Cooling Equipment

ManualMode: OFF

Fan Status: OFF

Valid

Clg Stage1 - Y1 : OFF

☐

Testing Cooling Stages

Validated Stage 1

Cooling Operation

Progress: IIIIIIIII

Cancel

Figure 31G

Cooling Equipment

ManualMode: OFF

Fan Status: OFF

Valid

Clg Stage1 - Y1 : OFF

☐

Testing Cooling Stages

?

Fan Status: ON

of Stages: 0

Please confirm it is safe to start Cooling Stages.

Yes

No

Figure 31D

Cooling Equipment

ManualMode: OFF

Fan Status: OFF

Valid

Clg Stage1 - Y1 : OFF

☐

Testing Cooling Stages

of Stages: 1

DischargeAirT: 73F

CoilDeltaT: 5F

Progress: IIII

Cancel

Figure 31F

Cooling Equipment

ManualMode: OFF

Fan Status: OFF

Valid

Clg Stage1 - Y1 : OFF

☒

Clg Stage2 - Y2 : OFF

☒

Clg Stage3 - Y3 : OFF

☒

Back

Next

Update

Test

Figure 31H

Heating Equipment

ManualMode: OFF
Fan Status: OFF
Htg Stage1 - W1 : OFF

Valid ☒

BackNextUpdateTest

Figure 32E

Heating Equipment

ManualMode: OFF
Fan Status: OFF

Valid

Testing Heating Stages

?

Htg Stage 1: OFF

Please confirm it is safe to activate Heating Stage contact.

YesNo

Figure 32C

Heating Equipment

ManualMode: OFF

Valid

Testing Heating Stages

?

Htg Stage 1: ON

Please confirm Heating Stage 1 operation. For example, room baseboard heat is activated.

PassFail

Figure 32D

Heating Equipment

ManualMode: OFF
Fan Status: OFF
Htg Stage1 - W1 : OFF

Valid ☐

BackNextUpdateTest

Figure 32A

Heating Equipment

ManualMode: OFF
Fan Status: OFF

Valid

Testing Heating Operation

?

Fan Status: OFF

Please confirm Fan air flow is required for stage 1 heating.

YesNo

Figure 32B

32/32

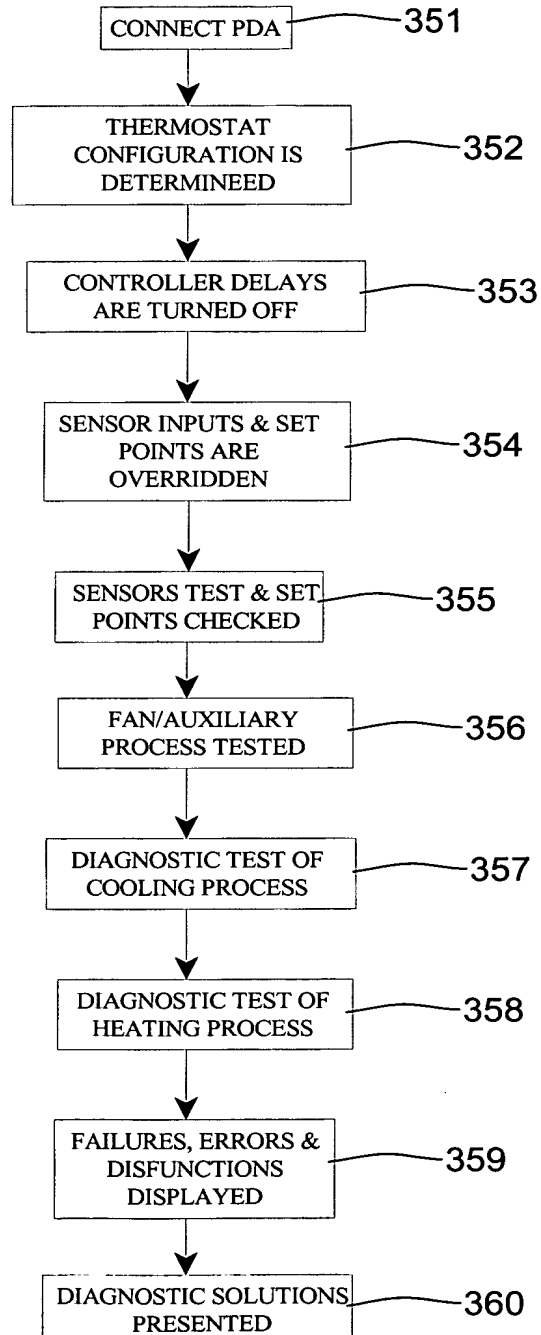


Figure 33